

What Is Claimed Is:

1 1.A centralized network storage system, comprising:
2 at least one diskless client, comprising a transforming
3 device, which receives a hard disk access command from the client
4 and packs the command and an identify number relative to the
5 client into a package; and
6 a server, connected to the at least one diskless client,
7 comprising a centralized storage device divided into at least one
8 storage area, each of respectively corresponds to each of which
9 the clients; wherein, after unpacking the received package, at
10 the initiation of the hard disk access command contained therein,
11 the server implements a requested disk access process for the
12 storage area relative to the client represented by an identity
13 number contained in the transmitted package.

1 2.The centralized network storage system of claim 1, wherein
2 the transforming device is an interface card installed in an
3 expansion slot of the diskless client.

1 3.The centralized network storage system of claim 2, wherein
2 the expansion slot is an IDE slot.

1 4.The centralized network storage system of claim 2, wherein
2 the expansion slot is a PCI slot.

1 5.The centralized network storage system of claim 1, wherein
2 the diskless clients are connected to the server through an
3 Ethernet protocol.

1 6.The centralized network storage system of claim 1, wherein
2 the diskless clients are connected to the server through a
3 wireless transmission protocol.

1 7.A server used in a centralized network storage system and
2 connected to a plurality of diskless clients, comprising:

3 a storage device, divided into a plurality of storage areas
4 each of which respectively corresponds to one of a plurality of
5 diskless clients;

6 an interface circuit, used to receive packages from the
7 diskless clients, each package comprises an identity number that
8 represents one of the diskless clients and a hard disk access
9 command;

10 a controller, connected between the interface circuit and the
11 storage device, wherein the controller implements A storage
12 area-related process as requested by the client represented by
13 the identity number.

1 8.The server of claim 7, wherein the interface circuit is an
2 Ethernet interface circuit.

1 9.The server of claim 7, wherein the interface circuit is a
2 wireless communication interface circuit.

1 10.A transforming device used in a centralized network storage
2 system and installed in a diskless client, comprising:

3 An interface circuit, used to receive a hard disk access
4 command from the diskless client;

5 A logical circuit, connected to the interface circuit to
6 receive a hard disk access command and pack both the command and

an identity number unique to the diskless client into a package;
A network controller, connected to the logical circuit to
receive the package and deliver it to networks.

11.The transforming device of claim 10, wherein the
transforming device is an interface card installed in an
expansion slot of the diskless client.

12.The transforming device of claim 11, wherein the expansion
slot is an IDE slot and the interface circuit receives the hard
disk access command through the IDE slot.

13.The transforming device of claim 11, wherein the expansion
slot is a PCI slot and the interface circuit receives the hard
disk access command through the PCI slot.